



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

March 14, 2024

Rod L. Penfield
Site Vice President
Energy Harbor Nuclear Corp.
Perry Nuclear Power Plant
P.O. Box 97, Mail Stop A-PY-A290
Perry, Ohio 44081-0097

SUBJECT: PERRY NUCLEAR POWER PLANT UNIT 1 - SUMMARY OF THE
JANUARY-FEBRUARY 2024 ENVIRONMENTAL AUDIT RELATED TO THE
REVIEW OF THE LICENSE RENEWAL APPLICATION ENVIRONMENTAL
REORT (EPID NUMBER: L-2023-LNE-0002)

Dear Rod L. Penfield:

A review team consisting of staff from the U.S. Nuclear Regulatory Commission (NRC or the staff) participated in a remote audit during the week January 22, 2024, for Perry Nuclear Power Plant Unit 1, as part of the license renewal (LR) application environmental review. The remote audit was supplemented by a site visit on February 1, 2024, and additional discussions before a formal exit conducted on February 8, 2024. The goal of the audit was to gather information to ensure that the environmental requirements for LR, as codified in Title 10 of the *Code of Federal Regulations* Part 51 "Environmental Protection Regulations for Domestic Licensing and Related Regulatory Functions," were met. A letter dated December 20, 2023 (Agencywide Documents Access and Management System [ADAMS] ML23321A047) was sent containing an audit plan.

An entrance meeting was held on January 22, 2024, to introduce participants and discuss audit logistics. During the remainder of the audit, the NRC staff, supported by Pacific Northwest National Laboratory (PNNL) staff, participated in smaller groups (breakout sessions) with Energy Harbor Nuclear Corp. (Energy Harbor) and Enercon Services, Inc. (Enercon) representatives to address the audit needs identified in the audit plan. Enclosure 1 to this letter provides a list of representatives from the NRC, PNNL, Energy Harbor, and Enercon who participated in the audit.

At the conclusion of the audit, the NRC staff summarized the status of the review with PNNL, Energy Harbor and Enercon representatives during the exit meeting held on February 8, 2024. Many of the NRC's questions identified in the audit plan or during the audit were answered through the conduct of the audit. Those that were answered but would be needed to be used in the supplemental environmental impact statement could be submitted (a) as supplement to the application, (b) as responses to requests for additional information (RAI), or (c) as responses to requests for confirmation of information.

We are requesting Energy Harbor's response to our requests within 30 days of the receipt of this letter. Although delays may occur due to competing work and shifting circumstances, responding in this timeframe will assist us to continuing to meet the milestones shared in our September 22, 2023, letter (ML23256A359).

While the NRC staff did not identify any significant environmental issues during this audit, the staff indicated that the environmental review was ongoing and that any additional information necessary to support the review would be formally requested via the RAI process in the future. Persons who do not have access to ADAMS or who encounter problems in accessing the documents located in ADAMS should contact the NRC's Public Document Room staff at 800-397-4209 (or 301-415-4737) or via email at pdr.resource@nrc.gov.

If you have any questions, please contact me via email at Lance.Rakovan@nrc.gov.

Sincerely,


ature.

Signed by Rakovan, Lance
on 03/14/24

Lance J. Rakovan
Senior Environmental Project Manager
Environmental Project Management Branch 1
Division of Rulemaking, Environmental,
and Financial Support
Office of Nuclear Material Safety
and Safeguards

Docket Nos. 50-440

Enclosures:

1. List of Participants
2. Perry Nuclear Plant Requests for Confirmation of Information and Additional Information
3. Perry Nuclear Plant SAMA Requests for Confirmation of Information and Additional Information

cc: Listserv

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DATE: March 14, 2024

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OFFICE	PM:EPMB1:REFS	LA:REFS	BC:EPMB1:REFS	PM:EPMB1:REFS
NAME	LRakovan	AWalker-Smith	SKoenick	LRakovan
DATE	03/07/2024	03/07/2024	03/14/2024	03/14/2024

OFFICE RECORD COPY

**LIST OF PARTICIPANTS
PERRY NUCLEAR POWER PLANT UNIT 1
LICENSE RENEWAL APPLICATION ENVIRONMENTAL
REVIEW AUDIT**

January 22 – February 8, 2024

Nuclear Regulatory Commission (NRC)	
Discipline	Team Members
Division Management	John Moses, NMSS
Environmental Review Supervisor	Steve Koenick, NMSS
Environmental Project Manager	Lance Rakovan, NMSS
Environmental Project Manager	Kim Conway, NMSS
Environmental Project Manger	Jessica Umana, NMSS
Environmental Project Manger	Ashley Waldron, NMSS
Environmental Project Manger	Karen Loomis, NMSS
Environmental Project Manger	Angela Sabet, NMSS
Aquatic Resources	Briana Arlene, NMSS
Cumulative Impacts	Jeff Rikhoff, NMSS
Environmental Justice	Caroline Hsu, NMSS
Federally Protected Ecological Resources	Briana Arlene, NMSS
Geologic Environment	Gerry Stirewalt, NMSS
Historic and Cultural Resources	Jean Trefethen, NMSS
Human Health	Beth Alferink, NMSS
Land Use and Visual Resources	Caroline Hsu, NMSS
Air Quality and Noise	Nancy Martinez, NMSS
Replacement Power Alternatives	Jeff Rikhoff, NMSS
Severe Accident Mitigation Alternatives	Elijah Dickson, NRR
Socioeconomics	Leah Parks, NMSS Jeff Rikhoff, NMSS
Terminating Power Plant Operations and Decommissioning	Beth Alferink, NMSS Leah Parks, NMSS
Terrestrial Resources	Caroline Hsu, NMSS
Waste Management	Beth Alferink, NMSS Leah Parks, NMSS
Water Resources – Groundwater	Gerry Stirewalt, NMSS Lloyd Desotell, NMSS
Water Resource - Surface Water	Gerry Stirewalt, NMSS Lloyd Desotell, NMSS

Pacific Northwest National Laboratory (PNNL)	
Discipline	Team Members
Surface Water	Rajiv Prasad
Groundwater/Geologic	Rebecka Bence
Groundwater/Geologic	Phil Meyer
Historic and Cultural Resources	Lindsey Renaud
Ecological – Terrestrial	Tracy Fuentes
Ecological – Aquatic	Caitlin Wessel
Cumulative/Land Use/Replacement Energy	Dave Goodman
Environmental Justice/Socioeconomics	Lin Zeng
Management Team	Leah Hare

Energy Harbor	
Discipline or Title	Team Member
Manager, License Renewal	Mark Bensi
Environmental Report Lead	Benjamin Spiesman
License Renewal Safety Technical lead	Theodore Hilston
Consulting Engineer, Engineering Program / License Renewal Implementation Coordinator	Justin Truxall
Environmental Report Consultant	John Grimm
Manager, Radiation Protection and Chemistry	Eli Crosby
Superintendent, Chemistry	Randall Killing
Senior Nuclear Specialist, Chemistry	Alyssa Wright
Supervisor, Nuclear Radwaste	Dominic Magda
Senior Nuclear Specialist, Chemistry	Shelby Chapin
Supervisor, Emergency Response	Jeffrey Archer
Supervisor, Nuclear Plant Systems Engineering	Marc Kuntz
Nuclear Engineer, Balance of Plant Engineering	Nathaniel Kehn
Supervisor, Nuclear ALARA	Joseph Oelbracht
Manager, Site Project	Jeffrey Miranda
Nuclear Engineer, Electrical and I&C Systems Engineering	Robert Kruppa
Consulting Engineer, Nuclear Electrical Systems Engineering	Arthur Jackson
Supervisor, Nuclear Electrical Systems Engineering	Christopher Paradiso
Supervisor, Nuclear Analytical Methods	Kelly R. Fine
Consulting Engineer, Nuclear Analytical Methods	Lawrence A. Mangan
Superintendent, Nuclear Electrical Maintenance	Luke Vriezen
Nuclear Engineer, Nuclear Analytical Methods	Devin Skelton
Supervisor, Nuclear Mechanical/Structural Engineering	Jeremy Schudel
Senior Nuclear Specialist, Site Safety	Jordan Wiley

ENERCON	
Discipline or Title	Team Member
Project Manager	Stacy Burgess
Environmental Licensing Manager	Rachel Turney-Work
Air Quality & Noise, Environmental Justice	Derek Allen
SAMA	Beth Baucom Neil Johnson Steve Phillippi Ricky Summitt
Historic and Cultural Resources	Gary Edington
Human Health, Replacement Power Alternatives, Termination of Operations and Decommissioning, Waste Management	Mary Hoganson
Human Health, Replacement Power Alternatives, Waste Management	Emily Keenan
Geologic Environment, Water Resources (Groundwater and Surface Water)	Jennifer Meek
Environmental Licensing Specialist	Matthew Montz
Aquatic Resources, Federally Protected Ecological Resources, Terrestrial Resources	Rajit Patankar
Cumulative Impacts, Socioeconomics	Cheyenne Riggs
Air Quality & Noise, Environmental Justice	Jerry Riggs
Environmental Licensing Specialist	Lisa Santoro
Land Use and Visual Resources	Fred Woolridge